

### PUMP

The Grundfos CMBE Booster is a compact water boosting unit for water supply in domestic and commercial applications for single and two-booster pump systems. The pump is fitted with an integral variable speed controller that maintains pump output at constant pressure adjustable to any value up to 5 Bar. The pump is compact for simple installation, quiet with operating noise level of 55dBA and of robust design for long life. The speed controller also maintains pump performance at maximum efficiency thereby minimizing operating costs. Particular features of CMBE twin include;

- Cascade switching that ensures booster output is adapted to demand by changing speed and one or two pump operation
- Automatic pump alternation between master and slave to ensure uniform operating periods.

All hydraulic parts are made from AISI304 and the pump unit is supplied complete with tank integrated pressure sensor, a 5-way connector with non-return valve, a 2L diaphragm tank for CMBE 3-62, 4L for CMBE twin and a pressure gauge.

### MOTOR

The pump is fitted with high efficiency IE5 Grundfos MGE variable speed motor that incorporates thermal protection against motor overload and dry run protection with auto-restart. The motor can be directly connected to the mains power supply through a 10A FUSE or MCB.

**Enclosure Class:** IP55

**Insulation Class:** F

**Voltage:** 1x240V

**Speed:** 3600-3868rpm

### OPERATING CONDITIONS

**Pumped Liquids:** Thin, clean non-aggressive and non-explosive liquids without solid particles or fibres

**Selected Liquid Temperature:** 20°C

**Liquid Temperature:** 0-60°C

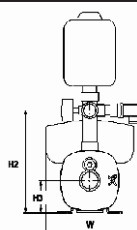
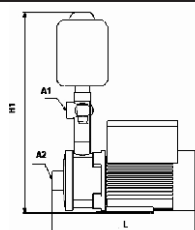
**Max. Ambient Temperature:** +55°C

**Max. Suction Lift:** 1m

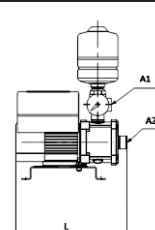
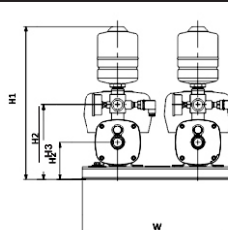
**Max. Operating Pressure:** CMBE 3-62; 7 bar, CMBE Twin; 10 bar

### PUMP DATA

Model	Motor		Current (A)	A1 (")	A2 (")	Dimensions (mm)					Weight (Kg)
	kW	HP				W	L	H1	H2	H3	
CMBE 3-62	1.1	1.5	8.2	1	1	221	345	467	239	75	26
CMBE 3-93	1.5	2	7.6	1	1	475	404	495	250	125	44
CMBE 5-62	1.5	2	7.6	1	1¼	475	350	495	250	125	45



CMBE 3-62



CMBE TWIN